

**Str187 RNaseH gene****3'LTR**

**ADIFTKPLAARFAFLRDKLQVVPPCA\*** (+1bp) GAGGGGAAG**TGTT**AGGACTCTTAGTCTAG  
 ACTACTTCTAGTATTACTATACTTCTACATATTGTATTTATATTTCTCCTGTGTAAATTGTGTACGA  
 CTGATATACAGAATTATTCAATCCTAATCAATGTCATAGCAACATAGAACTCAAGAAAGAAATGAG  
 CGGAGAGGTAATGAGGTTTTACTCAGGACTCATC

Fig.1

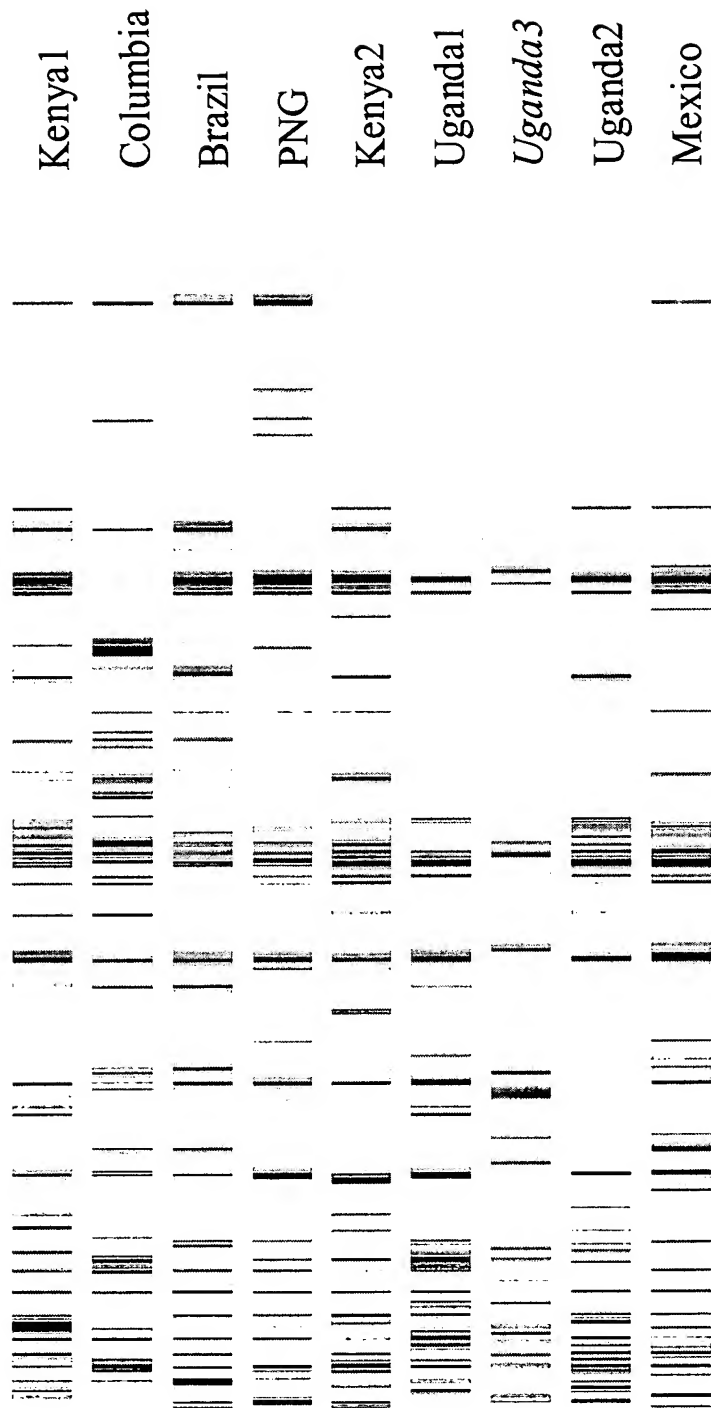
**RnaseH gene****3'LTR**

<b>Str6</b>	<b>ADMFTKALPTPRFTFLRDKLQVTALPCA*</b>	<b>(-1) ....</b>	<b>GAGGGGGAGTATTAGAGTATTAGGACTCT</b>
<b>Str85</b>	<b>ADIFTKALGQRLQYFIRKLGIRDLHAPT*</b>	<b>(-1bp):</b>	<b>GAGGGGGGGTAATAGCAGTAATATCATAT</b>
<b>Str187</b>	<b>ADIFTKPLAA-RFAFLRDKLQVVPPCA*</b>	<b>(+1bp)</b>	<b>GAGGGGAAGTGTTAGGACTCTTAGTCTAG</b>

**5' LTR primers**

<b>Str187/0 primer</b>	<b>5'AGACTAAGAGTCCTAACA 3'</b>	<b>Tm:49.1°C</b>
<b>Str187/G primer</b>	<b>5'AGACTAAGAGTCCTAACAG 3'</b>	<b>Tm:52.4°C</b>
<b>Str187/GC primer</b>	<b>5'AGACTAAGAGTCCTAACA 3'</b>	<b>Tm:55.3°C</b>
<b>E01</b>	<b>5'GACTGCGTACCAATTCA 3'</b>	<b>Tm:50.3°C</b>
<b>E44</b>	<b>5'GACTGCGTACCAATTCATC 3'</b>	<b>Tm:54.3°C</b>

Fig.2

**Fig.3**

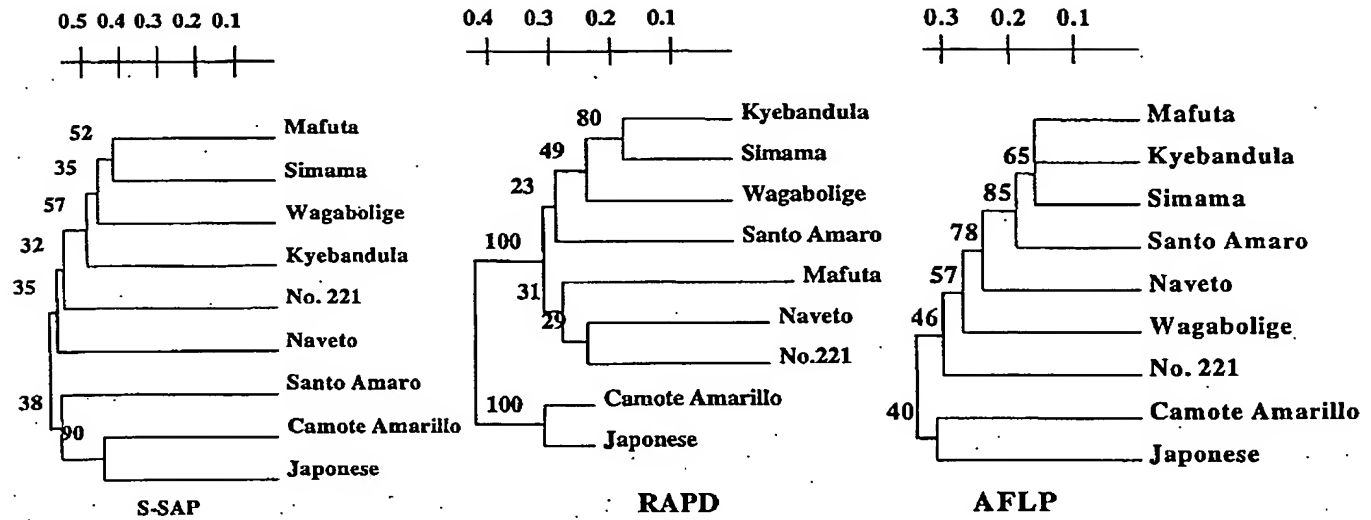
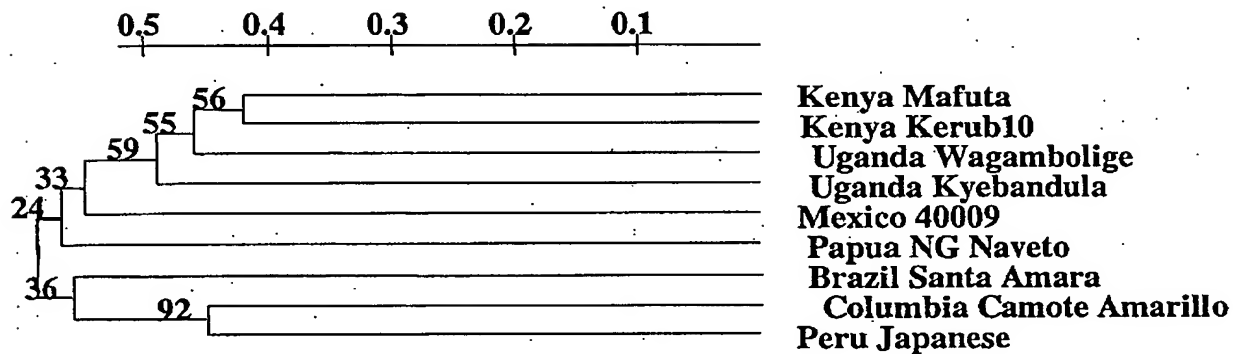


Fig.4



E44-Str187/G primer combination

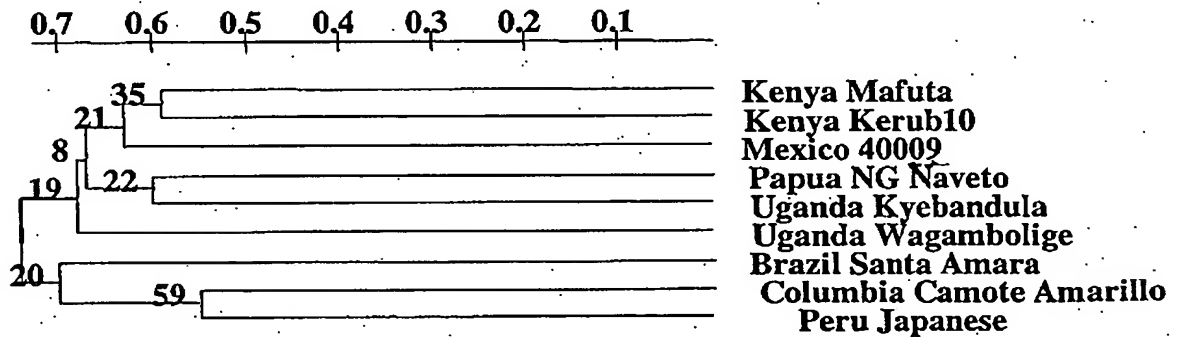


Fig.5

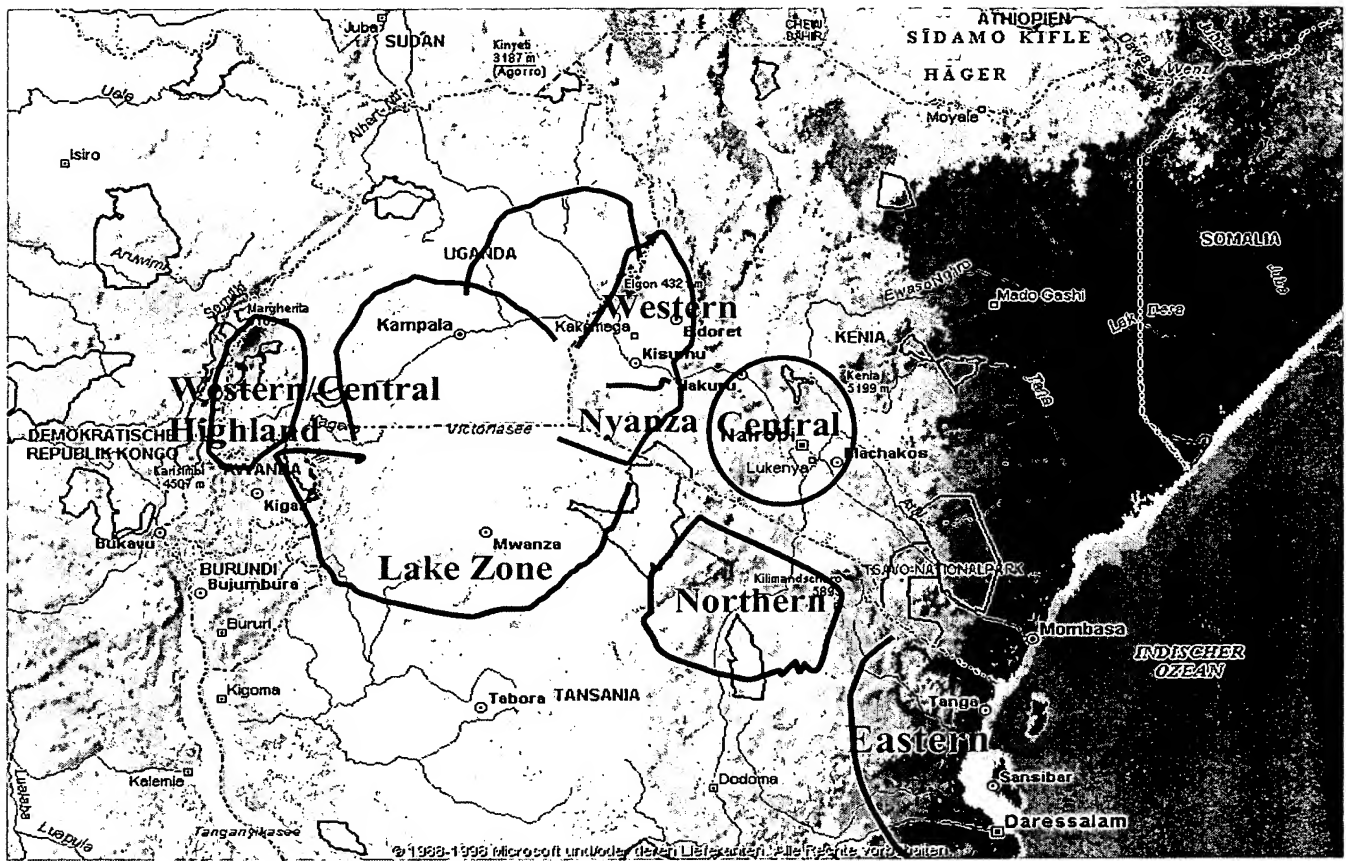
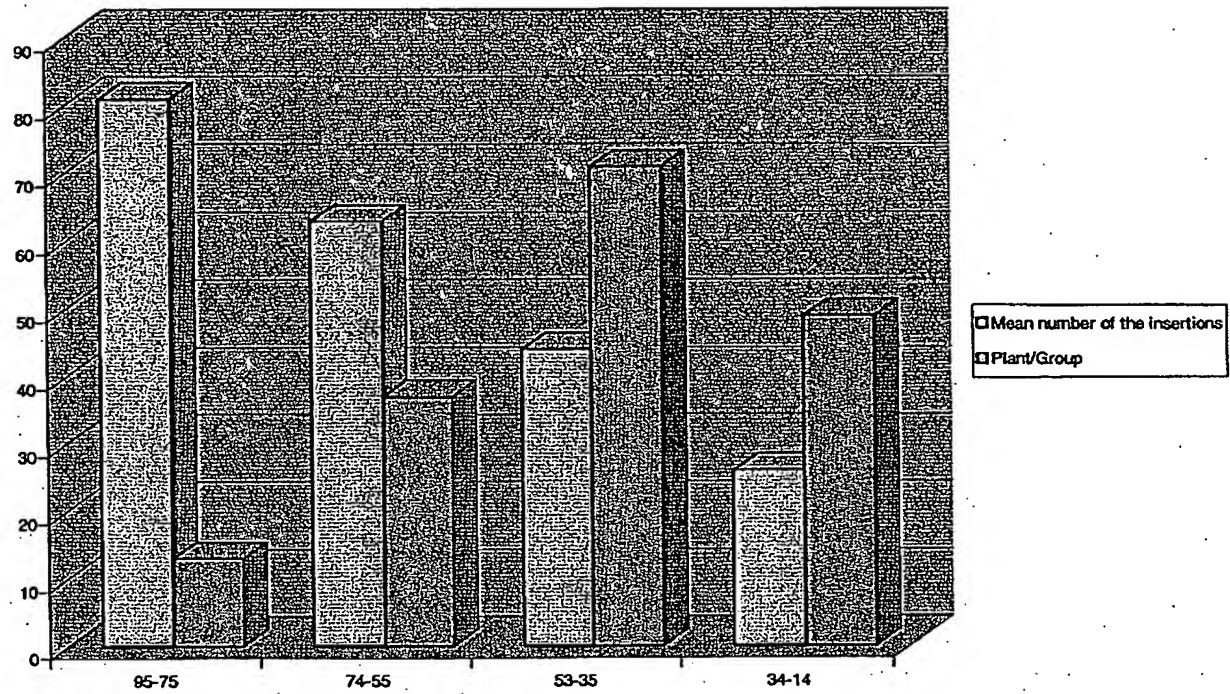


Fig.6

Fig.7

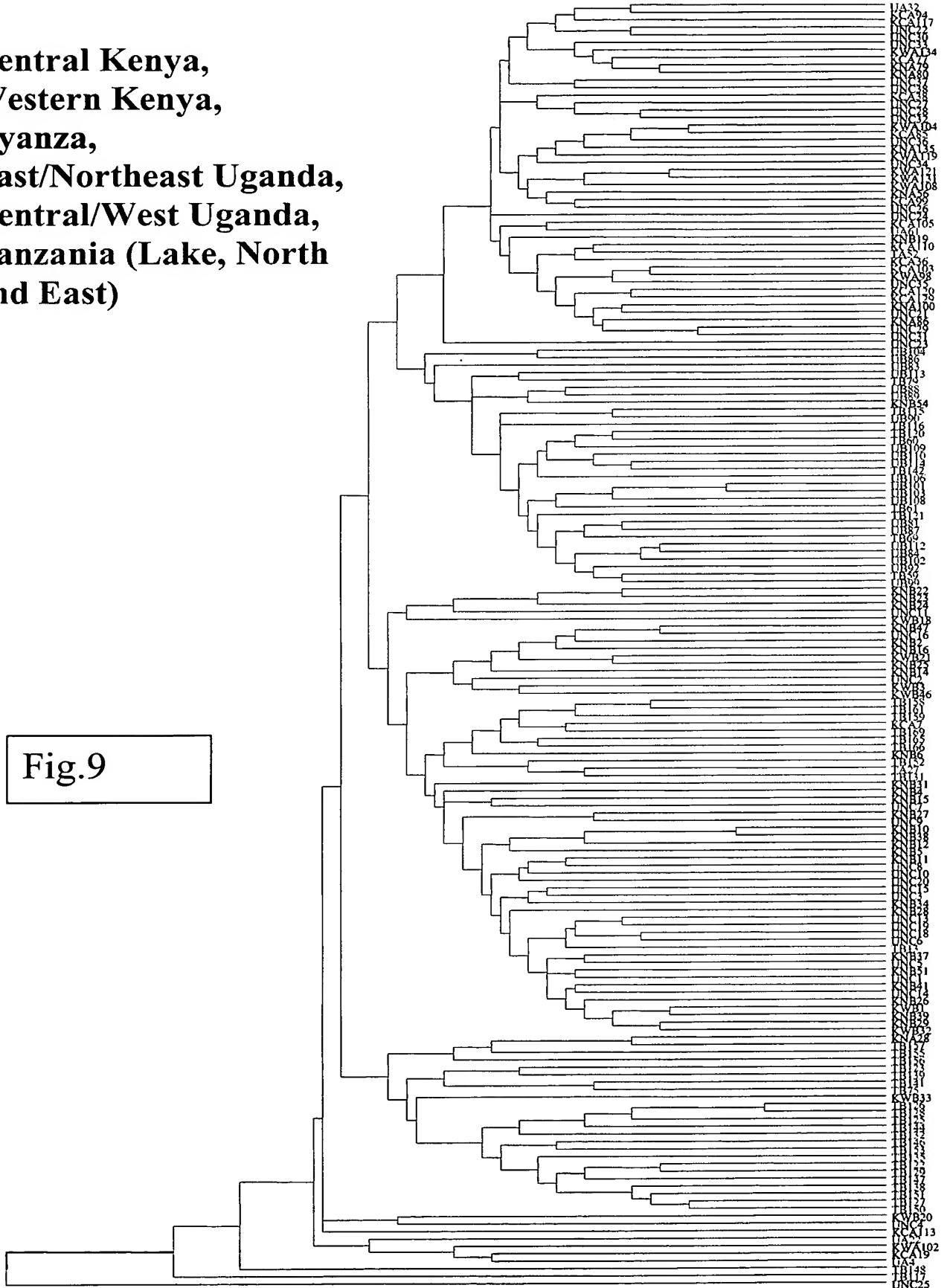


<b>EcoR1- Adapters</b>	<b>Nucleotide sequence</b>
EcoA1	5-CTC GTA GAC TGG GTA CC-3
EcoA2	5-AAT TGG TAC GCA GTC-3
<b>Pre-amplification primer</b>	
EO1	5-GAC TGC GTA CCA ATT CA-3
<b>Selective PCR Primers</b>	
E33	5-GAC TGC GTA CCA ATT CAA G-3
E36	5-GAC TGC GTA CCA ATT CAC T-3
<b>Mse1 – Adapters</b>	
MseA1	5-GAC GAT GAG TCC TGA G-3
MseA2	5-TAC TCA GGA CTC AT-3
<b>Pre-amplification primer</b>	
MO1	5-GAT GAG TCC TGA GTA AA-3
<b>Selective PCR primers</b>	
M38	5-GAT GAG TCC TGA GTA AAC T-3
M40	5-GAT GAG TCC TGA GTA AAG C-3

Fig.8

**Central Kenya,  
Western Kenya,  
Nyanza,  
East/Northeast Uganda,  
Central/West Uganda,  
Tanzania (Lake, North  
and East)**

**Fig.9**



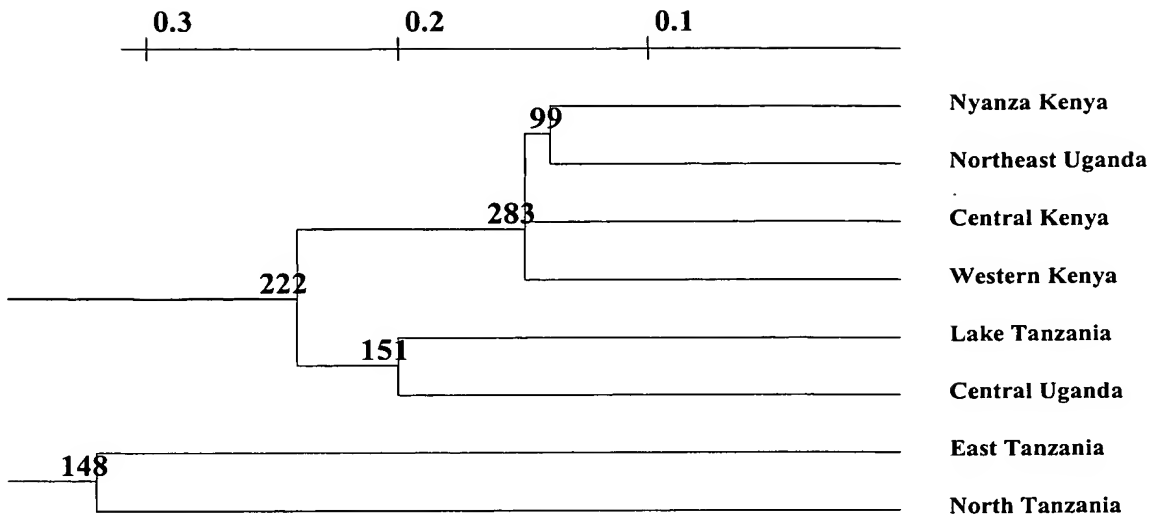


Fig.10

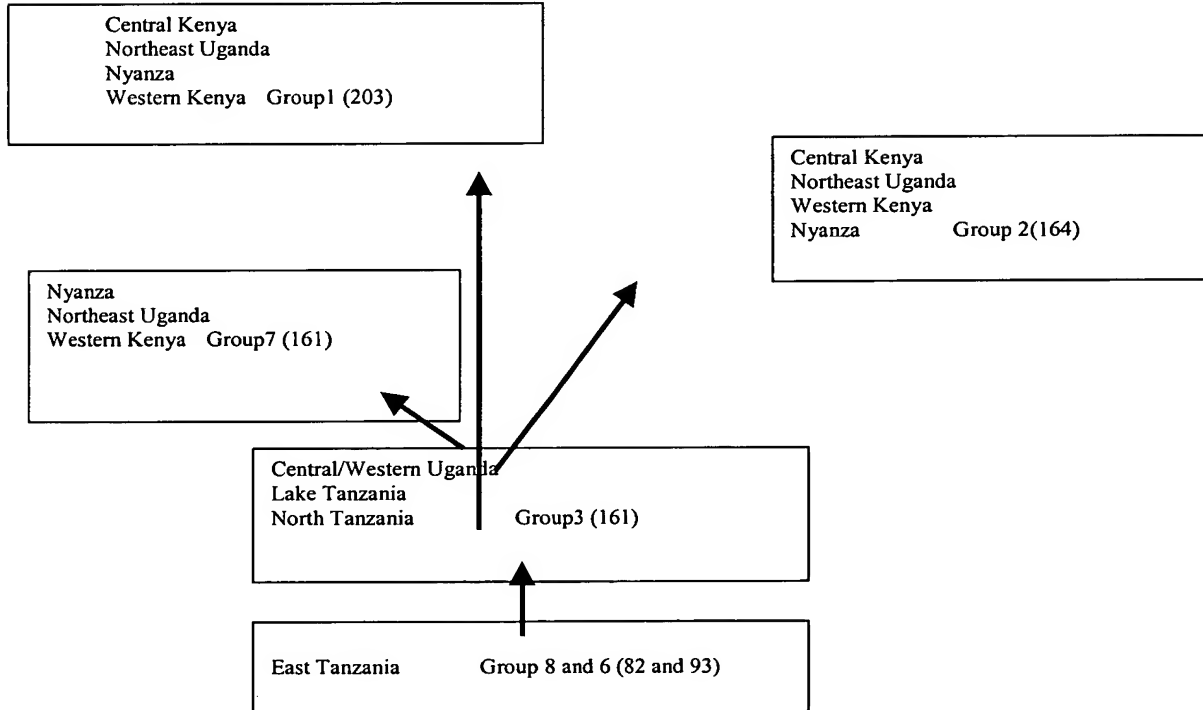


Fig.11